

ABSTRACT

The invention relates to a method and a device for estimating the DC offset portion of a signal, especially of a signal containing parts with sinusoidal shaping, for example a signal which results from demodulation of a frequency modulated receive signal.

According to the invention a method is presented for correcting the direct current offset portion (DC offset) of a first signal (Signal 1) which comprises the following steps: - phase shifting the first signal (Signal 1) for obtaining a second signal (Signal 2); comparing the first signal (Signal 1) and the second signal (Signal 2) with an estimated DC offset. The estimated DC offset is adjusted if the result of the comparison is, that the first signal (Signal 1) and the second signal (Signal 2) are on different sides of said estimated DC offset and the estimated DC offset is kept constant as long as the result of the comparison is, that the first signal (Signal 1) and the second signal (Signal 2) are on the same side of the estimated DC offset.

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